

## SECTION 10100

### VISUAL DISPLAY BOARDS

#### PART 1 - GENERAL

##### 1.01 SUMMARY

- A. Section Includes: Visual display boards of white marker board and tack board surfaces with backing and trim.
- B. General provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- C. Related Sections
  - 1. Section 09250 - Gypsum Board: Provision of gypsum board surfaces.
  - 2. Section 09720 - Wallcoverings: Provision of vinyl wall covering for new backboard surfaces.

##### 1.02 REFERENCES

- A. AAMA - American Architectural Manufacturers Association
  - 1. 603.8 - Voluntary Performance Requirements and Test procedures for Pigmented Organic Coatings on Extruded Aluminum.
- B. NAAMM - National Association Architectural Metal Manufacturers
  - 1. MFM - Metal Finishes Manual.

##### 1.03 SUBMITTALS

- A. Product Data: Provide manufacturer's product data for markerboards.

##### 1.04 WARRANTY

- A. Porcelain Enamel Markerboard Warranty: Furnish the manufacturer's written warranty, agreeing to replace porcelain enamel markerboards that do not retain their original writing and erasing qualities, become slick and shiny, or exhibit crazing, cracking, or flaking, provided the manufacturer's instructions with regard to handling, installation, protection, and maintenance have been followed.
  - 1. Warranty Period: 50 years.

#### PART 2 - PRODUCTS

##### 2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Greensteel, Inc., "AZ Series", or equal.

##### 2.02 MATERIALS

- A. Porcelain Enamel Markerboards: Provide balanced, high pressure laminated vitreous

porcelain enamel writing surface of 3 ply construction consisting of face sheet, core material and backing, clip and runner mechanical attachment.

1. Core: 7/16-inch fiberboard, manufacturer's standard.
2. Adhesive: As recommended by manufacturer.
3. Length: Manufacturer's standard, maximum 12'-0".
4. Color: White.

- B. Fixed Corkboard: Self-healing pliable vinyl embossed surface laminated to 1/4-inch thick natural cork which is laminated to 1/4-inch thick fiberboard, clip and runner mechanical attachment.

1. Vinyl Fabric: As selected by the Architect.

## 2.03 ACCESSORIES

- A. Metal Trim and Accessories: Fabricate frames and trim of not less than 0.062-inch thick aluminum alloy, size and shape as indicated, to suit type of installation. Provide straight, single-length units wherever possible; keep joints to a minimum. Miter corners to a neat, hairline closure.
- B. Where the size of boards or other conditions exist that require support in addition to the normal trim, provide structural supports or modify the trim as indicated or as selected by the Architect from the manufacturer's standard structural support accessories to suit the condition indicated.
- C. Field-Applied Trim: Provide the manufacturer's standard slip-on aluminum trim, to eliminate grounds.
- D. Chalk Trays: Provide manufacturer's standard mechanically attached chalk trays.

## 2.04 FABRICATION

- A. Porcelain Enamel Markerboards: Laminate facing sheet and backing sheet to core material under pressure with manufacturer's recommended flexible, waterproof adhesive.
- B. Assembly: Provide factory-assembled markerboard units, except where field-assembled units are required.
1. Make joints only where total length exceeds maximum manufactured length. Fabricate with the minimum number of joints, balanced around the center of the board, as acceptable to the Architect.
  2. Provide the manufacturer's standard vertical joint system between abutting sections of markerboards.
- C. Corkboard
1. Cork: Fine grain natural cork, homogeneous composition.
  2. Fiberboard: Manufacturer's standard.
  3. Adhesives: As recommended by reviewed tackboard manufacturer.

## 2.05 FINISHES

- A. General: Comply with NAAMM MFG for recommendations relative to application and designations of finishes.

- B. Organic Coating for Aluminum Trim: Thermosetting modified acrylic enamel primer/topcoat system complying with AAMA 603.8 except with minimum dry film thickness of 1.5 mils, medium gloss.
- C. Color: As selected by the Architect.

### **PART 3 - EXECUTION**

#### **3.01 INSTALLATION**

- A. Deliver factory-built markerboards and tackboards completely assembled in 1 piece without joints, wherever possible. Where dimensions exceed panel size, provide 2 or more pieces of equal length as acceptable to the Architect. When overall dimensions require delivery in separate units, prefit components at the factory, disassemble for delivery, and make final joints at the site. Use splines at joints to maintain surface alignment.
- B. Install units in locations and at mounting heights indicated and in accordance with the manufacturer's instructions. Keep perimeter lines straight, plumb, and level. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for a complete installation.
- C. Coordinate job-site assembled units with grounds, trim, and accessories. Join parts with a neat, precision fit.

**END OF SECTION**